

Incoming
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K**OGMCOAL - RE: Savage 4th Quarter Data**

From: "Karla Knoop" <kknoop@jbrenv.com>
To: "April Abate" <aprilabate@utah.gov>
Date: 3/18/2010 8:07 AM
Subject: RE: Savage 4th Quarter Data

April,

Good, I'm glad the other parameters were in there – I thought I had remembered checked them, but I can't always trust my memory!

Looking back at my old emails, I did not find any between you and me that confirmed we were going to use NEICO's baseline as the go-by list, in lieu of having one in the Savage MRP. All I found was an email that I'd written to Dan Guy on June 11, 2009. In that email, I summarized a phone conversation that I had with you, where we talked about the comparability between those two sites, and also discussed that we would wait until fourth quarter to do the baseline analysis rather than third, because then we could capture the sump (which is only sampled 2nd and 4th quarters).

Regarding S-1-GW, I wasn't involved when the drilling was planned or when the well was actually drilled, so I don't have any information about that whole decision-making process. But, I do know that on all previous visits, there has never been sufficient water to sample. At times, and as was denoted in at least a couple of the field records, there was a very small amount of water in the well column. It was never enough to purge and collect a sufficient volume for a sample. At other times, it has been bone-dry. We haven't sampled yet for 1st quarter, but with more snow than usual this winter, I'm interested to see if there is more water in the well than usual.

My guess is that this well represents essentially the same water as is represented at S-2-GW, from which we are always able to obtain enough water to sample. They are both down-gradient of the prep plant and completed in the same materials, I would guess. And, they are quite close to each other. Again, though, I'm just guessing. Dan would have more knowledge about the well design, layout, rationale for monitoring, etc.

JBR is still doing the sampling at Savage. I may occasionally be the one to go down and do it, but more often it will be the JBR geologist who has taken over most of my field work. I'm still handling the reporting, data qa/qc, etc. So, feel free to contact me with any of these sorts of questions.

I'll forward this email on to Dan Guy, so that he knows what we've been talking about.

Let me know if it would be easier for you to look at the actual lab sheets for those two baseline samples. If so, I can email them to you.

Take care,

Karla

From: April Abate [mailto:aprilabate@utah.gov]
Sent: Wednesday, March 17, 2010 4:26 PM
To: Karla Knoop
Subject: RE: Savage 4th Quarter Data

Hi Karla,

Thanks for your quick response. Now that you mentioned the metals data was taken, I do see that the results were reported; however, the system did not automatically download them. We have been having some problems with our database lately. I will try to see if I can fix it on my end.

As far as using the NEICO list, I think that will be fine. The conditions at Wellington are comparable to Savage so that works for me. I guess another question on my mind is that dry well S-1-GW. It looks to me like it never produced any groundwater since it was drilled in 2007. I haven't looked at the logs but I am wondering if maybe it was not advanced far enough?

By the way who has taken over doing the sampling at Savage?

Thanks Karla - let me know if you have any insights about that well....

Regards,

April

P.S. The AWG Auction is coming up on April 24th - hope you can attend!

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>>> "Karla Knoop" <kknoop@jbrenv.com> 3/17/2010 3:18 PM >>>

Hi April,

Yes, I've moved! But, I'm still working for JBR and doing the same types of things I've always done, just less field work. Now that I'm in SLC, I'm hoping to start doing some of the AWG activities, but haven't had a chance yet...

On Savage, yes, the intent was for the 4th quarter sampling to be baseline. I think I have some email correspondence where we agreed (I thought) that it would be appropriate for Savage to use the same groundwater baseline list as NEICO does, since there wasn't an approved list in Savage's MRP. I'll try to find that and forward it – there's a chance that it was just a phone call where that was discussed.

There were actually more than the parameters you list below – maybe they all did not make it into the database, but they were analyzed and reported on the lab sheets. I can try to check the database issue

tomorrow and add them back in if need be. But, in addition to the ones you list below, we also analyzed for: orthophosphate, aluminum (d), arsenic (d), boron (d), cadmium (d), copper (d), lead (d), molybdenum (d), selenium (d), and zinc (d).

Hopefully, I didn't misunderstand too much about using the NEICO list. But let me know, if so.

Thanks,

Karla

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From: April Abate [mailto:aprilabate@utah.gov]
Sent: Wednesday, March 17, 2010 3:03 PM
To: Karla Knoop
Cc: Pete Hess
Subject: Savage 4th Quarter Data

Hi Karla,

I heard the news that you decided to move to the front side! Congratulations - you're still with JBR right? What type of project work are you planning to do for them now?

Anyway, I had a question about Savage that I was hoping you may be able to answer. During the fourth quarter there were six additional samples that were analyzed for - over and above the normal operational parameters. Judging from the data I received, it looks like the parameters were Nitrate, Nitrite, T-Selenium, T-Boron, and Ammonia. Were these parameters intended to monitor for a 5-year baseline? If so, those parameters represent just a few on our recommended baseline list. I just wondered if that was the intent and if so, why just six parameters and not the full list?

Thanks Karla, if you could shed some light on this issue I'd appreciate any help.

April

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